REMENT BOOK

Dimensions			Contents	Reference to last Measureme
Length	Breadth	Depth		
4	5	6	7	8
22/1/16				

BBMP/Bill/29-3-14

M. A. R. 57 (Rule 116)
Measurement Book

No. B

191553

Serial No. ... 1st and final Bill

Name of work ... Laying and Asphalting from ... to Telecom layout Road from more to compound wall in W.O.

Name of Contractor or nature of Agency ... KRIDL

Date of commencement of work ... D.O. Receipt : 29/03/2014

Date	Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Estimated cost Rs.	41.00 Lakh.					
	JOB. NO	009-14-000042					
	Work order. NO	EE/BTP/BBMP/KRIDL/WO/453/2013-14 Dt. 21-02-2014					
	Date of Commencement	22-02-2014					
(1)	Date of completion	29/03/2014					
(1)	Earthwork Excavation by manual means in hard soil involving an average horizontal throw upto 2m and an						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	average lift upto 0.50m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods etc complete as per specifications and directions of Engineer-In-charge of Work.						
				Other side this MB. P. 191593			
				It no (1) : 533.484 m^3 @ 90.72/m^3			48397.30
2)	Removing of B. R. Slab of drain and stacking etc complete as per specifications and directions of Engineer-In-charge of the Work.						
				Other side this MB. P. 191594			
				It no (1) : 904.50 m^2 @ 50.11/-2			45324.50
3)	Refixing the stone slabs of drain and pointing in cm 1:3						

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Nu
1	2	
	etc complete as per speci in-charge of the work.	
4)	Scarifying stone metal with pick axes along with stacking of old serviceable by manual means inclu etc complete as per specifi in-charge of Work.	

ENT BOOK

Dimensions			Contents	Reference to last Measurement
gth	Breadth 5	Depth 6	7	8

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			Qty as per ⊞ no (3) of this MB				201446.33
			P.no = 191595 - 2767.504 @ 72.79/m²				
5)	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specifications including premixing the material with water at one in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibrating Roller to achive the desired density etc complete as per specifications and directions of Engineer-in-charge of Work.						
			Qty vide this MB. P			191598	
			⊞ no (4) = 499.137			@	559544.70
						1121.04/m²	

M.

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Num
1	2	3
6)	Cleaning the existing WBM binding materials and other and small pieces, sweep and thoroughly dusty without air to receive the bituminous material, labour, tools etc complete as per specifications and direct	
	a) Compensation layer with MS R	
	from more 0.0 to 30 m	

To Compensation layer

MENT BOOK

Dimensions			Contents	Reference to last Measurement
ngth 4	Breadth 5	Depth 6	7	8
...as per ... No (3) of this MB				201446.33
...nv = 191595 = 2767.504 @ 72.79/-				
...npacking graded stone aggregate				
...including premixing the material				
...mix plant carrying, laying				
...uniform layers with power				
...prepared surface and compacting				
...the desired density etc complete				
...ns of Engineer-in-charge of				
...the MB. P 191598				
...) = 499.137			@	559544.70

1121.04/m2

M. A. R. 57 (Rule 116)
Measurement Book

No. B 191555

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
6)	Cleaning the existing WBM Road surface including removing of binding materials and other foreign matter with wire brushes and small picks, sweeping with brooms, or dusty with old gunny bags, and or compressed air to receive the bituminous treatment including cost of material, labour, use of machinery, curing etc complete as per specifications and directions of Engineer-in-charge of the work.						
a)	Kempegowda Nagar Main Road [Belecom Layout main Road]						
	from. more 0.0 to 30.0	1	30.00	6.245.7/2	-	178.5972	
	To Kempegowda Nagar						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measureme
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Ch. 30.0 to 60.0 m	1	30.00	$\frac{5.2+5.6}{2}$	-	169.80	
	Ch 60.0 to 90.0 m	1	30.00	$\frac{5.6+5.3}{2}$	-	163.80	
	Ch 90.0 to 120.0 m	1	30.00	$\frac{5.3+6.7}{2}$	-	180.00	
	Ch 120.0 to 150.0 m	1	30.00	$\frac{6.2+6.3}{2}$	-	195.00	
	Ch. 150.0 to 180.0 m	1	30.00	$\frac{6.3+7.7}{2}$	-	210.00	
	Ch 180.0 to 210.00	1	30.00	$\frac{7.7+7.6}{2}$	-	229.50	
	Ch 210.0 to 240.0 m	1	30.00	$\frac{7.6+7.2}{2}$	-	222.00	
	Ch 240.0 to 270.0 m	1	30.00	$\frac{7.2+7.5}{2}$	-	220.50	
	Ch 270.0 to 300.00 m	1	30.00	$\frac{7.5+7.4}{2}$	-	223.50	
	Ch. 300.0 to 330.00 m	1	30.00	$\frac{7.4+7.1}{2}$	-	217.50	

C&F

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Nur
1	2	
	Ch. 330.0 to 360.0 m	
	360.0 to 390.0 m	
	390.0 to 420.00 m	
	420.0 to 450.00 m	
	450.0 to 480.0 m	
	480.0 to 510.00 m	
	510.0 to 543.4 m	
	not depressingly'	

REMENT BOOK

ber	Dimensions: Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measuremen 8
	30.00	$\frac{5.2+5.6}{2}$	-	169.80	
	30.00	$\frac{5.6+5.3}{2}$	-	163.80	
	30.00	$\frac{5.3+6.7}{2}$	-	180.00	
	30.00	$\frac{6.2+6.3}{2}$	-	195.00	
	30.00	$\frac{6.3+7.7}{2}$	-	210.00	
1	30.00	$\frac{7.7+7.5}{2}$	-	229.50	
1	30.00	$\frac{7.6+7.2}{2}$	-	222.00	
1	30.00	$\frac{7.2+7.5}{2}$	-	220.50	
	30.00	$\frac{7.5+7.4}{2}$	-	223.50	
	30.00	$\frac{7.4+7.1}{2}$	-	247.50	

C&F

M. A. R. 57 (Rule 116)
Measurement Book

No. B

191556

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Ch. 330.0 to 360.0m	1	30.00	$\frac{7.1+6.7}{2}$	-	207.00	
	360.0 to 390.0m	1	30.00	$\frac{6.7+7.8}{2}$	-	217.50	
	390.0 to 420.00m	1	30.00	$\frac{7.8+6.4}{2}$	-	213.00	
	420.0 to 450.00m	1	30.00	$\frac{6.4+6.8}{2}$	-	198.00	
	450.0 to 480.0m	1	30.00	$\frac{6.8+6.4}{2}$	-	198.00	
	480.0 to 510.00m	1	30.00	$\frac{6.4+6.8}{2}$	-	198.00	
	510.0 to 543.4m	1	33.40	$\frac{6.8+6.1}{2}$	-	245.55	
	~~not~~ depressing jelly	2	19.70	3.50	-	137.90	
		2	21.50	3.50	-	150.50	
		2	18.75	3.50	-	131.25	

C&F

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	NTE layout · 10th CROSS	1	30.00	$\frac{5.5+4.5}{2}$	-	150.00	
		1	30.00	$\frac{4.5+4.5}{2}$	-	135.00	
		1	11.50	$\frac{4.5+7.0}{2}$	-	66.13	
	Naishnam CROSS Road	1	29.20	4.80	-	140.16	
						4567.37 sq.m	
6)			@ 10.53/sq.m	Ltd to		4527.50 sq.m	47,675.00
	Providing and applying primer Coat (MS) 2.2 kg/10 sq.m for surfaces of high porosity over prepared surface of granular base without bade mix-70 or any other bitumen mixed with diesel at 13 kg/10 sq.m heated in bitumen boiler and fitted with spray set including cartage all material, labour, use of mechanical complete as per specification.					14.60 sq.m	10395

M

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Nur
1	2	
(7)	Providing and laying bit with 100-120 TPH batch average out put by of specified grade, 5-7 cm thick of mix and work site, laying in wi	

EMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
30.00	$\frac{5.3+4.5}{2}$	-	150.00	
30.00	$\frac{4.5+4.0}{2}$	-	135.00	
11.50	$\frac{4.5+7.0}{2}$	-	66.13	
29.20	4.80^2	-	140.16	
			4567.37	
			4527.50 m²	47,675.00
10.53	Ltd to			
Coat	from 12.2 to		14.60	4/1095
over	prepared surface of granular			
any	other bituminous mixed with			
is	bituminous material or filled with			
all	material, labour,			
per	specification.			

M. A. R. 57 (Rule 116)
Measurement Book

No. B

191557

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Dimensions Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
			Only wide 22 m. (5)			= 4527.50 m²	643,240.00
					C =	142.07/m²	
(7)	Providing & laying bituminous concrete hour thick with 100-120 TPH batch type hot mix plant, producing average output of 75 T/hr using crushed aggregates of specified grading, premixed with bituminous binder at 5-4% by wt. of mix and laying, transporting the hot mix to work site, laying in with hydrostatic paver finisher with						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Roads Control to the required grade level, and alignment, Rolling With smooth wheeled, vibratory and tandem Rollers to achieve the desire Compaction as per morth specifications Clause no - 500.9 Completion all respects as per specifications morth specification no 509, With bitumen 80/120,				Avg		
	for depression filling	1	18.50	3.50	0.04 =	2.59	
		1	19.70	3.25	0.04 =	2.56	
		1	21.50	3.30	0.04 =	2.83	
		2	18.75	3.50	0.04 =	5.25	
		1	21.50	3.50	0.04 =	3.01	
	Correspondence Layer with Ruj from more. ch. 0.0 to 30.0	1	30.00	$\frac{6.25+7}{2}$	0.04	7.144	

Cl Fe

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Num
1	2	
	ch. 30.0 to 60.0 m	1
	60.0 to 90.0 m	
	90.0 to 120.0 m	
	120.0 to 150.0 m	
	150.0 to 180.0 m	
	180.0 to 210.0 m	
	210.0 to 240.0 m	

EMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
			grade level, and alignment,	
			vibratory and tandem Rollers	
			as per morth specifications	
			all respects as per specifications.	
			of bitumen 80/100,	
		Avg		
18.50	3.50	0.04	2.59	
19.70	3.25	0.04	2.56	
21.50	3.30	0.04	2.83	
18.75	3.50	0.04	5.25	
21.50	3.50	0.04	3.01	
30.00	6.2+5.7 / 2	0.04	4.144	

C&Fc

M. A. R. 57 (Rule 116)
Measurement Book

No. B

191558

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Ch. 30.0 to 60.0m	1	30.00	5.7+5.6 / 2	0.04	6.78 sq m	
	60.0 to 90.0m	1	30.00	5.6+5.3 / 2	0.04	6.54 "	
	90.0 to 120.0m	1	30.00	5.6+5.3 / 2	0.04	7.20 "	
	120.0 to 150.0m	1	30.00	5.3+6.7 / 2	0.04	7.80 "	
	150.0 to 180.0m	1	30.00	6.3+7.7 / 2	0.04	8.40 "	
	180.0 to 210.0m	1	30.00	7.7+7.6 / 2	0.04	9.18 "	
	210.0 to 240.0m	1	30.00	7.6+7.2 / 2	0.04	8.88 "	

C&Fc

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Ch. 240.0 to 270.0 m/s	1	30.0	$\frac{7.2+7.5}{2}$	0.04 =	8.88	
	270.0 to 300.0 m	1	30.0	$\frac{7.5+7.4}{2}$	0.04 =	8.94	
	300.0 to 330.0 m	1	30.0	$\frac{7.4+7.1}{2}$	0.04 =	8.70	
	330.0 to 360.0 m	1	30.0	$\frac{7.1+6.7}{2}$	0.04	8.28	
	360.0 to 390.0 m	1	30.0	$\frac{6.7+7.8}{2}$	0.04	8.70	
	390.0 to 420.0 m	1	30.0	$\frac{7.8+6.4}{2}$	0.04	8.52	
	420.0 to 450.0 m	1	30.0	$\frac{6.4+6.8}{2}$	0.04	7.92	
	450.0 to 480.0 m	1	30.0	$\frac{6.8+6.4}{2}$	0.04	7.92	
	480.0 to 510.0 m	1	30.0	$\frac{6.4+6.8}{2}$	0.04	7.92	

C&FC

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Numb
1	2	3
	Ch. 510 to 543.40	1
	C&FC	
	S.E. (W.D)	
9)	Providing and laying dense bitumen macadam (DBM) with 100-120 TPH batch type hot mix plant of approved make and of required capacity having average output of 75 t per hour or more of specified grading,	

UREMENT BOOK

Dimensions				Contents	Reference to last Measurement
ber	Length 4	Breadth 5	Depth 6	7	8
	30.00	$\frac{7.2+7.5}{2}$	0.04 =	8.88	
	30.00	$\frac{7.5+7.4}{2}$	0.04 =	8.94	
	30.00	$\frac{7.4+7.1}{2}$	0.04 =	8.70	
	30.00	$\frac{7.1+6.1}{2}$	0.04	8.28	
	30.00	$\frac{6.2+7.8}{2}$	0.04	8.40	
	30.00	$\frac{7.8+6.4}{2}$	0.04	8.52	
	30.00	$\frac{6.4+6.8}{2}$	0.04	7.92	
	30.00	$\frac{6.8+6.4}{2}$	0.04	7.92	
	30.00	$\frac{6.4+6.8}{2}$	0.04	7.92	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 191559

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions: Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Ch. 510.00 to 543.40	1	~~540.00~~ 33.40	$\frac{6.8+6.1}{2}$	0.04 =	245.8 8.62	
	C&FC					182.51 m³	
					L+d to.	182 = 40 m³	18,32,671.00
					=	11284.92 m³	
	S.O. (W.O.)						
	Providing and laying dense bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 t/hr using crushed aggregates of specified grading,						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	4.5 MT/- of mix and other, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade level, and alignment, Rolling with vibratory wheeled, vibratory and tandem Rollers to achieve the desired compaction as per morth specifications clause no. 510.8 complete in all respects as per specification with 60/70 grade bitumen using 40 - 60 kmp, as per specification and direction of Engineer-in charge of work.						
	NH Layout - 10 M	1	30.00	$\frac{5.5+4.5}{2}$	0.025	3.75	
	CRs	1	30.00	4.50	0.025	3.38	
		1	11.50	$\frac{4.5+7.0}{2}$	0.025	1.29	
	Vaishnavi CRoss Rd (Ch. 21 to 51.20)	1	29.20	4.80	0.025	3.29	
						11.70 MT	

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Num
1	2	
	1) Road marking with hot with reflect rising glass and laying of hot applied including reflectorising glass of 0.5 mm is to clean free	
	11) Lead for disposal of	

EMENT BOOK

Dimensions			Contents	Reference to last Measureme
Length 4	Breadth 5	Depth 6	7	8
...ons pushing the hot mix to Wearing Course, ...or finishes with Tandem Roller to ...ignment, Rolling with Smooth ... Roller to achive the desired ...ifications clause no. 510.8 Complete ...tion with 60/70 grade bitumen ...ifications and directions of ...				
30.00	$\frac{5.54+4.57}{2}$	0.025	3.75	
30.00	4.50	0.025	3.38	
11.50	$\frac{4.57+4.00}{2}$	0.025	1.25	
29.20	4.80	0.025	3.25	
			11.704	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

191560

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

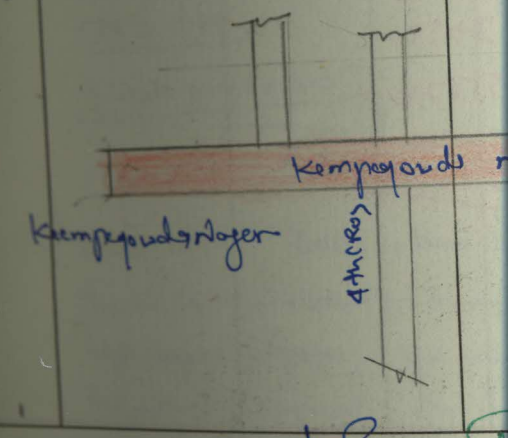
Date	Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
		Total	11.694	@ 9981.36	/m²		116,657.00
(i)	Road marking with hot applied thermoplastic compound with reflect using glass beads on bituminous surface - primer and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms/m², thickness of 2.5 mm is exclusive of surface to level, uniform and free						
			not operated			-	-
(ii)	Lead for disposal of debris shall be payable at						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Carriage rates by mechanical means including loading and unloading as per specification and directions of Engineer-in-charge for Wood						
	Qty as per I.T. no. 1 :						
	$33.48 @ 72.71/-						38789/-
	Total Rs						3597099/-
	Add 11% Applicable Taxes and Service Charges						395681/-
	KRIDL					Grand Total Rs.	3992,780/-

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Nu
1	2	



MEASUREMENT BOOK

BR-4718/23 3/14

Serial No. 1st and final Bill

Name of work ..... Imp and Asphalting

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Estimated Cost Rs 399780=00 Add Excess 5% 578729=00 Recommended Amount 578729=00 Say 578729=00 Srisha foods. Ex Sd/-						

IT - 19856-

VAT - 159711-

FSD - 23986-

WC - 39928-

CBF - 3993-

ROY - 55674-

Total 578729=00

Date	Full description, etc, of work	Nu
1	2	
	Estimated Cost Rs	2
	NB.No	
	Work order No	
	(1) Earthwork Excavation in ... treading on average ... upto 0.5m, Excavation neatly dressed, ...	